MBTA E&M BLUE LINE TRACK CHART

BOWDOIN

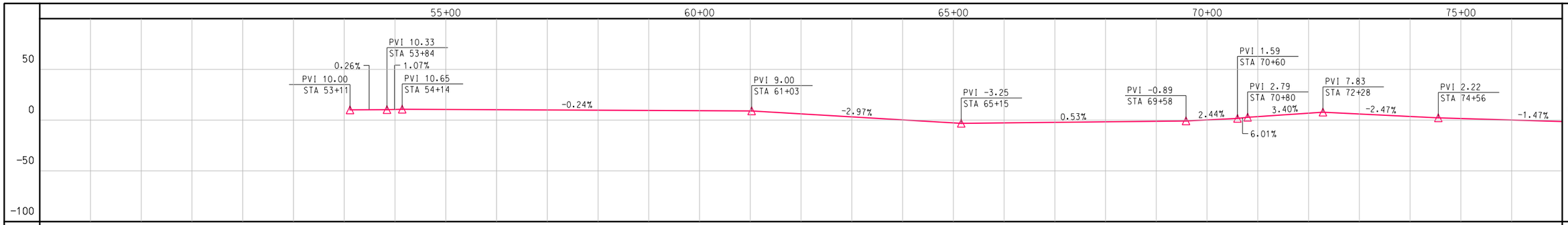
WONDERLAND

LEGEND			
	TRACK		TUNNEL
	OVERHEAD BRIDGE		WALL
	UNDERGRADE BRIDGE		RESTRAINING RAIL
	TRUCK PAD		CONTACT RAIL
	POINT OF SWITCH		EMERGENCY GUARD RAIL
	STATION PLATFORM	EXIT	EMERGENCY EXIT
ROW	RIGHT-OF-WAY GATE		BUMPING POST
	LEVEL 1 AREA		RAIL LUBRICATOR

PREPARED BY:

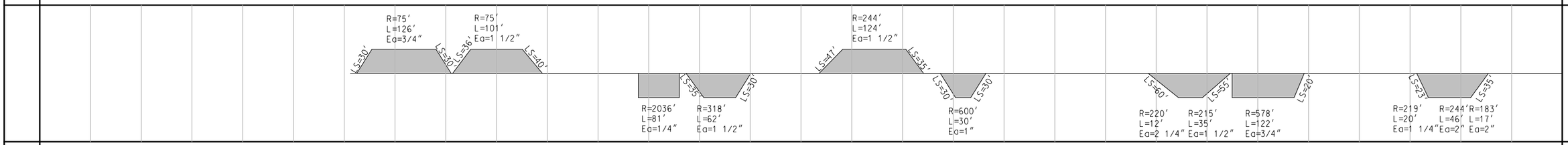
HNTB

REV: 0
AS OF: 6/24/2016

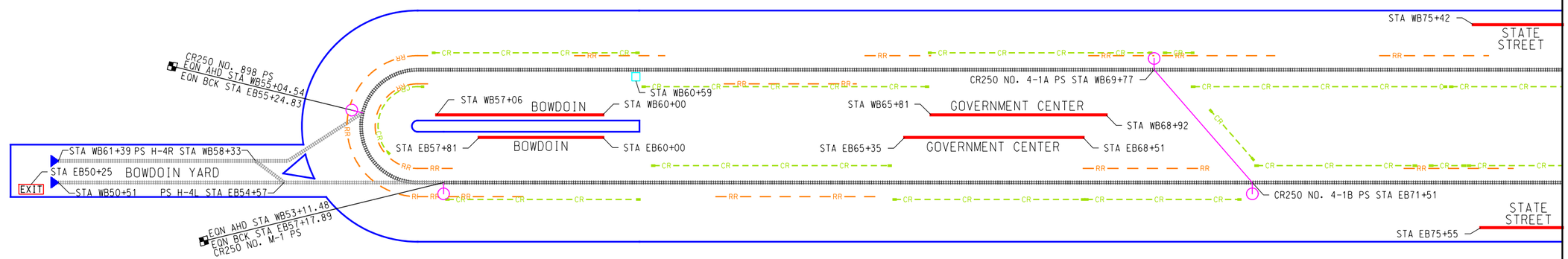


WESTBOUND PROFILE

SPEED

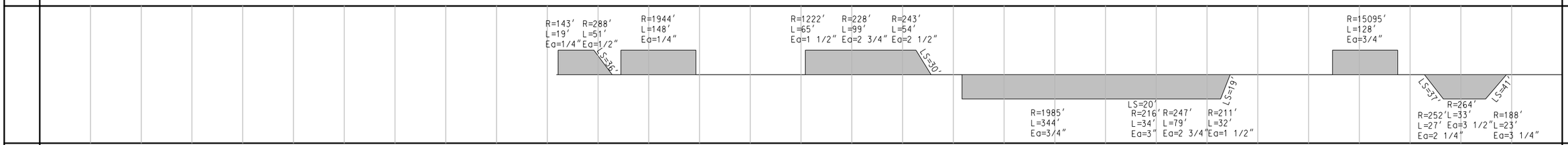


WESTBOUND HORIZONTAL



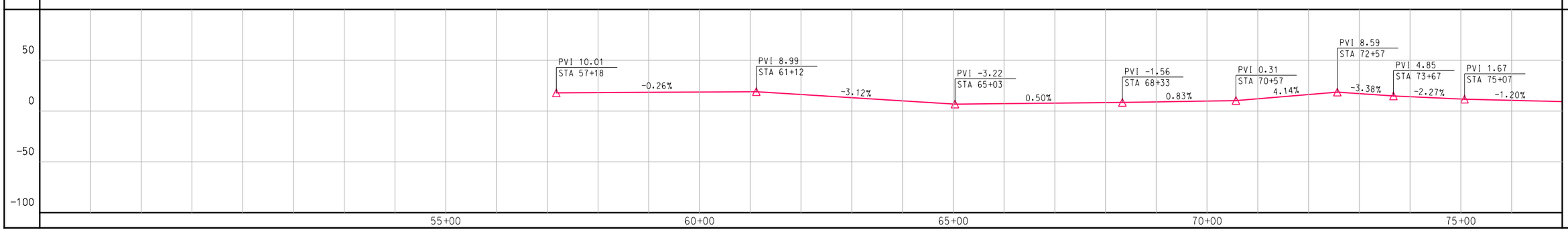
MATCH LINE STA. 77+00

FEATURES



EASTBOUND HORIZONTAL

SPEED

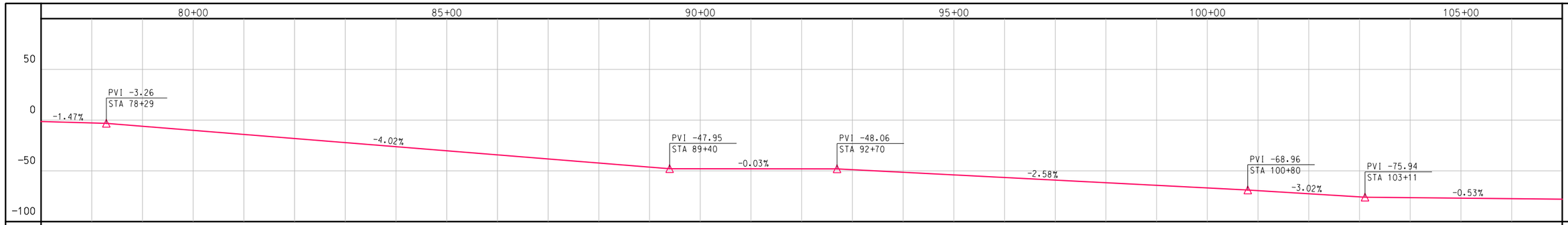


EASTBOUND PROFILE

MBTA – BLUE LINE TRACK CHART
BOWDOIN TO WONDERLAND
STA. 55+00 TO STA. 77+00

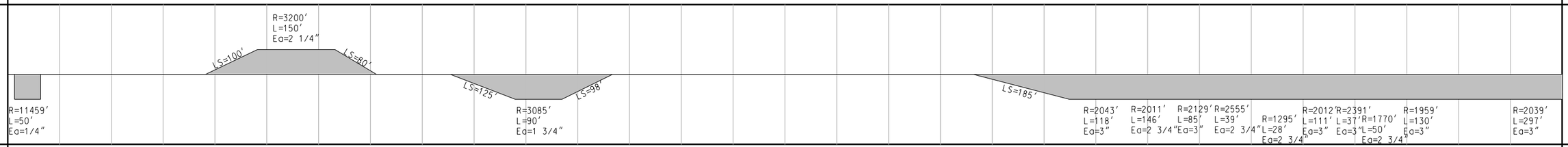
HNTB

SHEET 1
6/24/2016

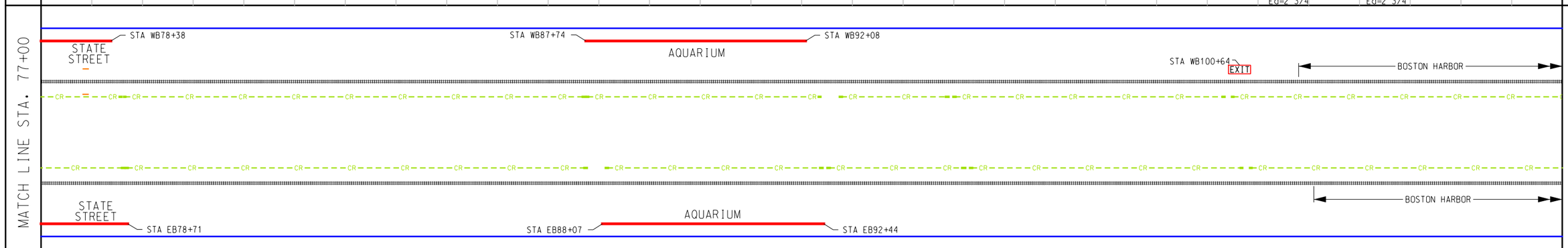


WESTBOUND PROFILE

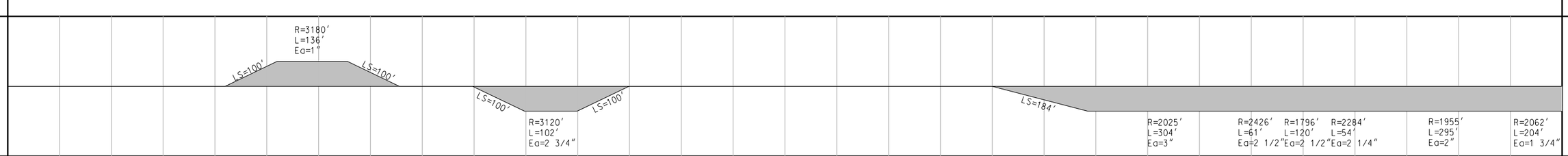
SPEED



WESTBOUND HORIZONTAL

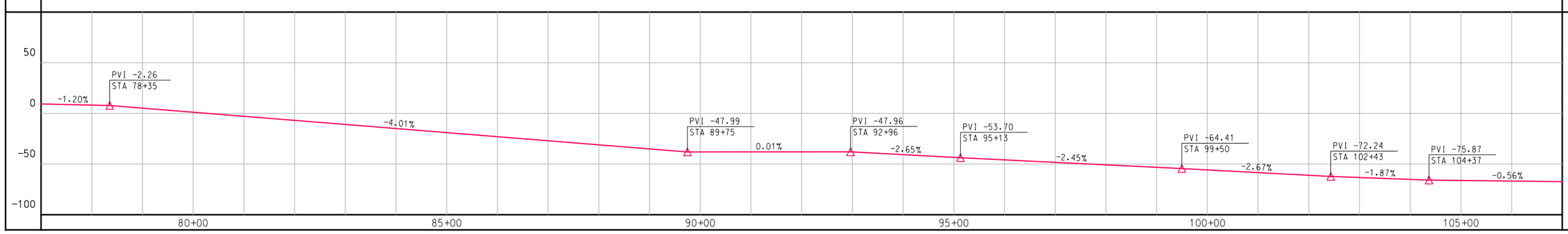


FEATURES



EASTBOUND HORIZONTAL

SPEED



EASTBOUND PROFILE

MBTA – BLUE LINE TRACK CHART
BOWDOIN TO WONDERLAND
STA. 77+00 TO STA. 107+00

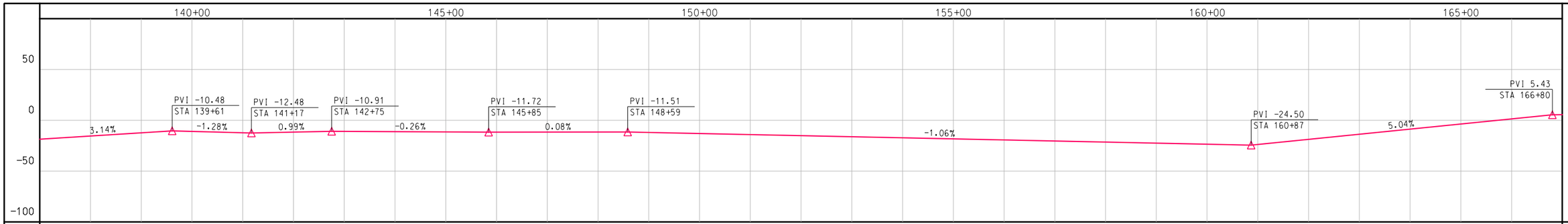
HNTB

SHEET 2
6/24/2016

SHEET 3
6/24/2016

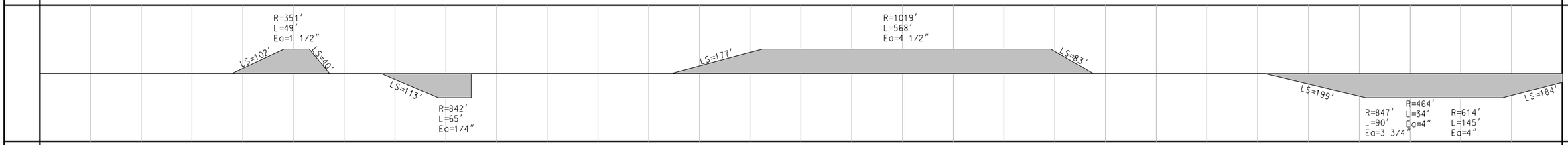
MBTA – BLUE LINE TRACK CHART
BOWDOIN TO WONDERLAND
STA. 107+00 TO STA. 137+00

HNTB



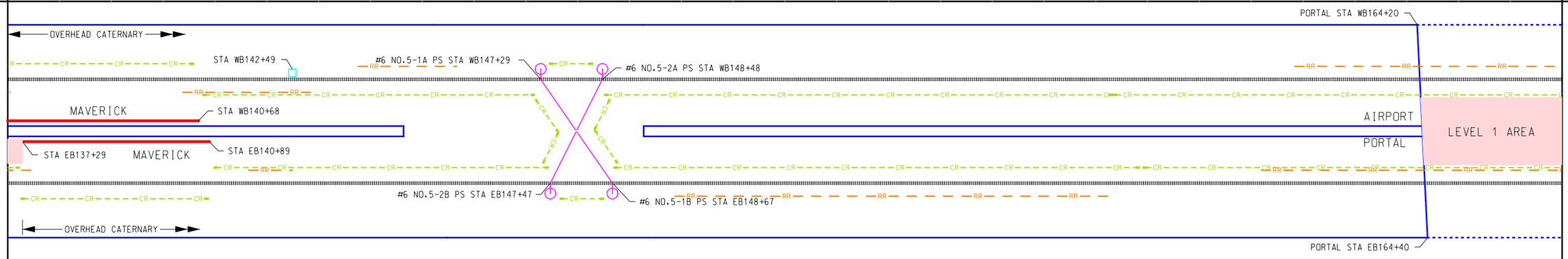
WESTBOUND PROFILE

SPEED



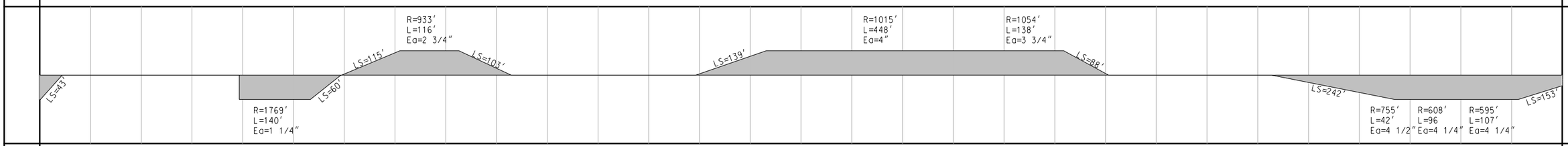
WESTBOUND HORIZONTAL

MATCH LINE STA. 137+00



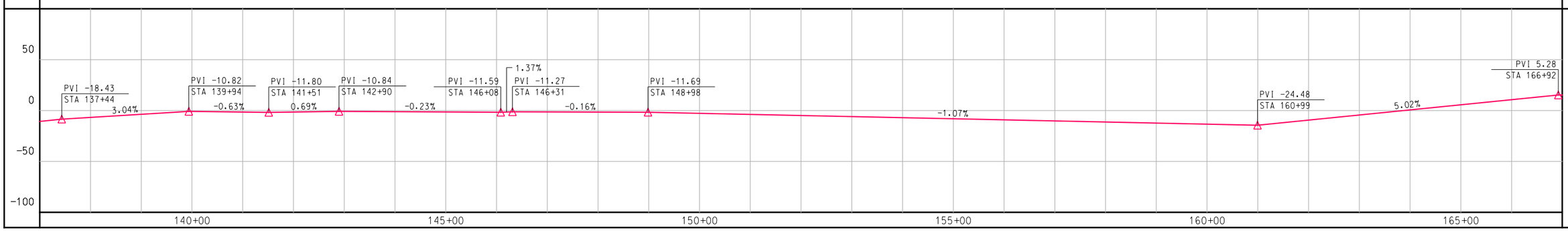
MATCH LINE STA. 167+00

FEATURES



EASTBOUND HORIZONTAL

SPEED

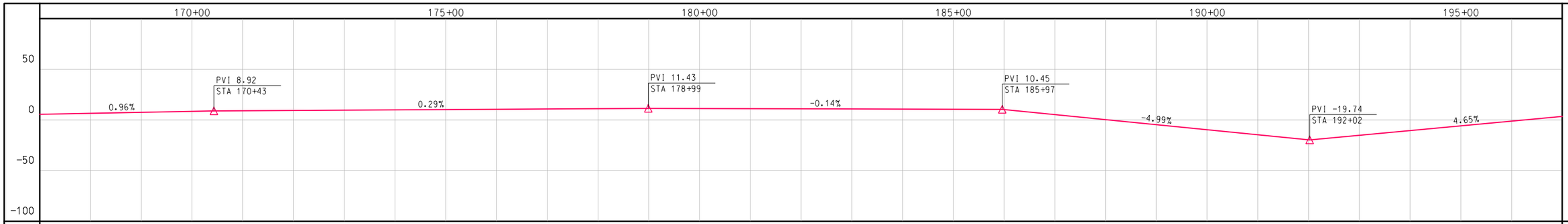


EASTBOUND PROFILE

MBTA - BLUE LINE TRACK CHART
BOWDOIN TO WONDERLAND
STA. 137+00 TO STA. 167+00

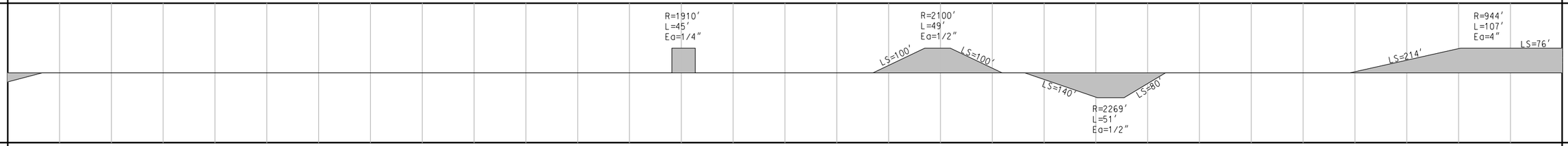
HNTB

SHEET 4
6/24/2016



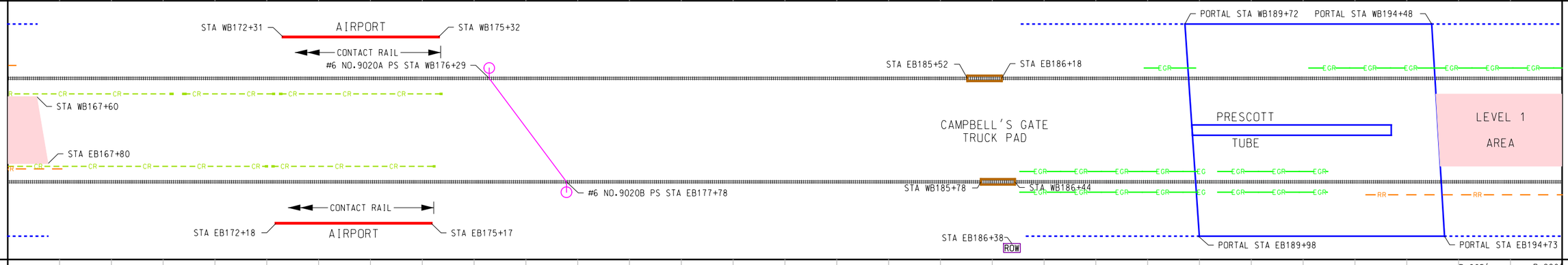
WESTBOUND PROFILE

SPEED



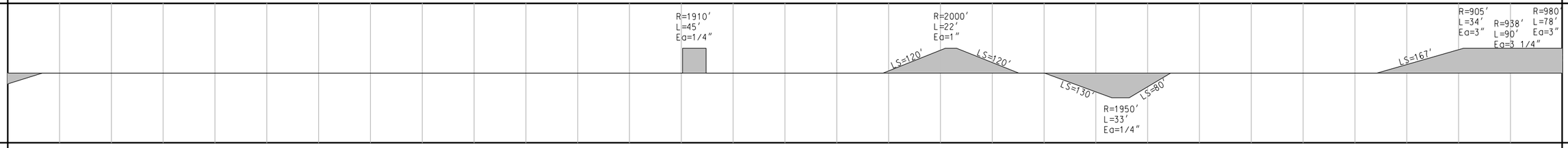
WESTBOUND HORIZONTAL

MATCH LINE STA. 167+00



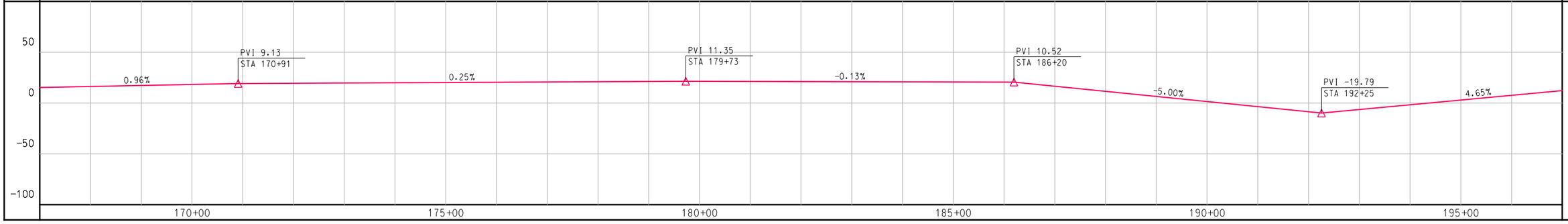
MATCH LINE STA. 197+00

FEATURES



EASTBOUND HORIZONTAL

SPEED

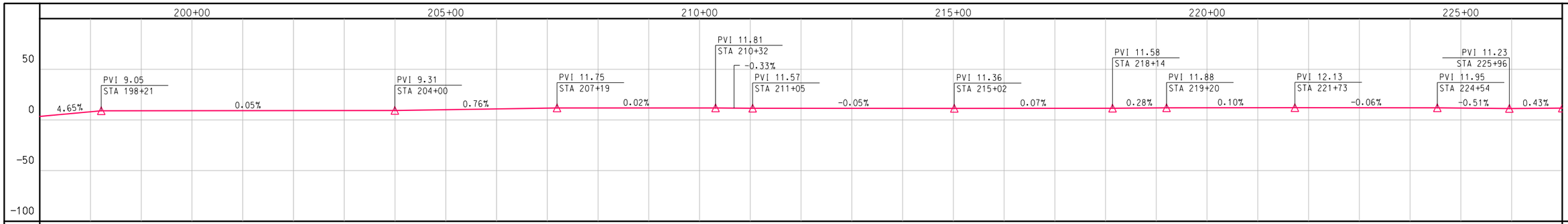


EASTBOUND PROFILE

SHEET 5
6/24/2016

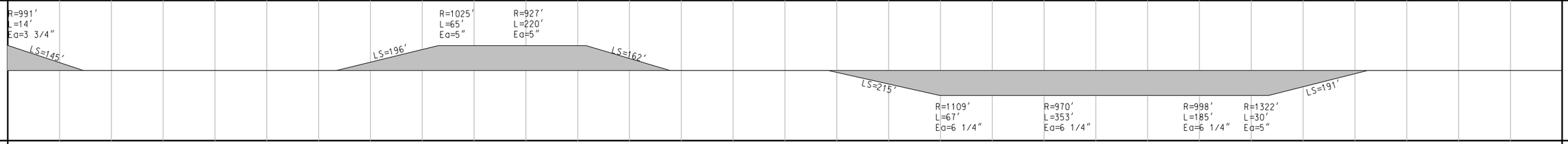
MBTA – BLUE LINE TRACK CHART
BOWDOIN TO WONDERLAND
STA. 167+00 TO STA. 197+00

HNTB



WESTBOUND PROFILE

SPEED

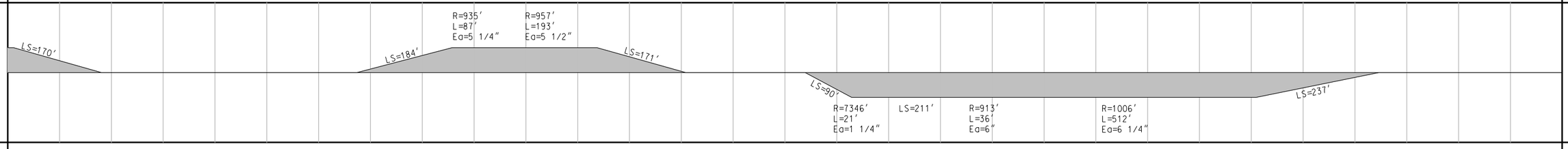


WESTBOUND HORIZONTAL

MATCH LINE STA. 197+00

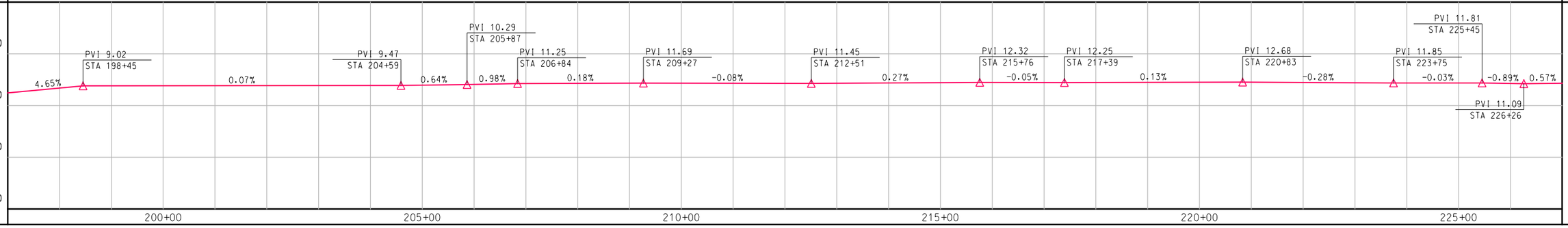
MATCH LINE STA. 227+00

FEATURES



EASTBOUND HORIZONTAL

SPEED



EASTBOUND PROFILE

MBTA – BLUE LINE TRACK CHART
BOWDOIN TO WONDERLAND
STA. 197+00 TO STA. 227+00

SHEET 6
6/24/2016

HNTB

230+00 235+00 240+00 245+00 250+00 255+00

50 0 -50 -100

PVI 11.68 STA 227+00 -0.19%
PVI 11.27 STA 229+13 0.51%
PVI 12.08 STA 230+74 -0.40%
PVI 10.89 STA 233+72 0.06%
PVI 11.24 STA 240+12 -0.08%
PVI 11.02 STA 242+70 0.30%
PVI 11.66 STA 244+81 -0.08%
PVI 11.46 STA 247+29 0.23%
PVI 11.90 STA 249+21 -0.09%
PVI 11.73 STA 251+01 -0.78%
PVI 9.37 STA 254+05 -0.07%

WESTBOUND PROFILE

SPEED

R=1500' L=26' Ea=4 3/4"
R=1083' L=66' Ea=5 1/4"
R=1063' L=99' Ea=5 3/4"
LS=184'
LS=292'

WESTBOUND HORIZONTAL

MATCH LINE STA. 227+00

℄ STA WB243+22
STA WB246+31
#6 NO. 7-1B PS STA WB253+62
℄ STA WB255+53
RR
TRIDENT STREET OVERHEAD
PEDESTRIAN BRIDGE
SARATOGA STREET OVERHEAD BRIDGE
#6 NO. 7-1A PS STA EB252+59
℄ STA EB243+42
℄ STA EB255+84
STA EB236+05
ROW

MATCH LINE STA. 257+00

FEATURES

R=1153' L=121' Ea=5 1/2"
R=1122' L=127' Ea=5 1/4"
LS=177'
LS=162'

EASTBOUND HORIZONTAL

SPEED

PVI 11.69 STA 227+32 -0.31%
PVI 11.19 STA 228+94 0.28%
PVI 11.80 STA 231+15 -0.28%
PVI 11.03 STA 233+95 0.08%
PVI 11.23 STA 236+51 -0.37%
PVI 11.03 STA 237+04 0.23%
PVI 11.18 STA 237+69 -0.03%
PVI 11.03 STA 242+87 0.42%
PVI 11.53 STA 244+06 0.03%
PVI 11.73 STA 251+01 -0.79%
PVI 9.27 STA 254+10 -0.07%

EASTBOUND PROFILE

MBTA – BLUE LINE TRACK CHART
BOWDOIN TO WONDERLAND
STA. 227+00 TO STA. 257+00

SHEET 7
6/24/2016

HNTB

260+00 265+00 270+00 275+00 280+00 285+00

50 0 -50 -100

-0.07% | PVI 8.48 STA 266+45 | 0.19% | PVI 9.65 STA 272+61 | 0.89% | PVI 13.64 STA 277+09 | -0.66% | PVI 10.86 STA 281+28 | -0.04% | PVI 10.66 STA 286+73

WESTBOUND PROFILE

SPEED

WESTBOUND HORIZONTAL

LS=95′

R=2227′ L=241′ Ea=2 1/4″ | LS=40′ | R=1921′ L=193′ Ea=2″ | LS=60′ | R=5062′ L=266′ Ea=1 3/4″ | LS=40′ | R=2427′ L=218′ Ea=1 1/2″ | R=2379′ L=191′ Ea=1 1/4″ | LS=59′ | R=3096′ L=178′ Ea=1″ | R=2454′ L=239′ Ea=1 3/4″

MATCH LINE STA. 257+00

ORIENT HEIGHTS — STA WB257+73 — STA WB260+90

STA WB282+07 — SUFFOLK DOWNS — STA WB285+26

#6 NO. 7-21 PS STA WB261+14 | #6 NO. 7-25B STA WB261+79 | #6 NO. 7-27 PS STA WB263+19 | #6 NO. 7-37B PS STA WB269+73 | ℄ STA WB273+28

BENNINGTON OVERHEAD STREET BRIDGE

#6 NO. 7-37 PS STA EB268+54 | #6 NO. 7-35A PS STA EB268+70

DIAMOND CROSSING STA EB262+24 | DIAMOND CROSSING STA EB264+33

#6 NO. 7-23 PS STA EB261+37

#6 NO. 7-25A PS STA EB263+08

TO ORIENT HEIGHTS YARD

#6 NO. 7-29 PS STA EB263+32

℄ STA EB273+74

STA EB258+08 — ORIENT HEIGHTS — STA EB261+10

ROW STA EB269+67

STA EB283+36 — SUFFOLK DOWNS — STA EB286+54

MATCH LINE STA. 287+00

FEATURES

EASTBOUND HORIZONTAL

LS=127′

R=2150′ L=99′ Ea=1 3/4″ | LS=40′ | R=2042′ L=310′ Ea=2″ | LS=40′ | R=4929′ L=294′ Ea=1 3/4″ | LS=40′ | R=2350′ L=132′ Ea=1 1/4″ | R=2391′ L=268′ Ea=1 1/4″ | LS=40′ | R=3113′ L=184′ Ea=3/4″ | LS=40′

SPEED

EASTBOUND PROFILE

50 0 -50 -100

-0.07% | PVI 8.51 STA 265+70 | 0.15% | PVI 9.24 STA 270+65 | 0.44% | PVI 9.92 STA 272+18 | 0.20% | PVI 10.05 STA 272+83 | 0.74% | PVI 11.41 STA 274+68 | 0.90% | PVI 13.71 STA 277+23 | -0.59% | PVI 10.81 STA 282+14 | 0.02% | PVI 10.89 STA 286+41

260+00 265+00 270+00 275+00 280+00 285+00

MBTA – BLUE LINE TRACK CHART
BOWDOIN TO WONDERLAND
STA. 257+00 TO STA. 287+00

HNTB

SHEET 8
6/24/2016

290+00 295+00 300+00 305+00 310+00 315+00

50 0 -50 -100

PVI 9.65 STA 291+26 | -0.22% | -0.09% | PVI 8.94 STA 298+86 | -0.36% | PVI 6.73 STA 305+03 | 4.51% | PVI 27.52 STA 309+64 | 0.99% | PVI 32.19 STA 314+37 | -4.46% | PVI 21.08 STA 316+86

WESTBOUND PROFILE

SPEED

WESTBOUND HORIZONTAL

LS=70' R=2454' L=239' Eq=1 3/4"

LS=74' R=2441' L=156' Eq=2 1/2" LS=79'

MATCH LINE STA. 287+00

#6 NO. 9056B PS STA WB289+08

℄ STA WB296+65

BELLE ISLE UNDERGRADE

INLET BRIDGE

STA WB310+04 BEACHMONT STA WB313+08

℄ STA WB313+58

WINTHROP UNDERGRADE

AVENUE BRIDGE

#6 NO. 9056A PS STA EB290+54

℄ STA EB296+93

℄ STA EB313+87

STA EB289+36 ROW

STA EB310+33 BEACHMONT STA EB313+37

MATCH LINE STA. 317+00

FEATURES

EASTBOUND HORIZONTAL

LS=67' R=2475' L=219' Eq=1"

LS=114' R=2317' L=133' Eq=3" LS=72'

SPEED

EASTBOUND PROFILE

50 0 -50 -100

PVI 9.77 STA 290+84 | -0.25% | 0.11% | PVI 9.95 STA 292+46 | -0.15% | PVI 9.21 STA 297+45 | 0.03% | PVI 9.26 STA 299+19 | -0.47% | PVI 6.37 STA 305+38 | 4.76% | PVI 27.52 STA 309+82 | 0.93% | PVI 32.11 STA 314+73 | -4.27%

290+00 295+00 300+00 305+00 310+00 315+00

SHEET 9
6/24/2016

MBTA – BLUE LINE TRACK CHART
BOWDOIN TO WONDERLAND
STA. 287+00 TO STA. 317+00

HNTB

320+00 325+00 330+00 335+00 340+00 345+00

50 0 -50 -100

PVI 9.61 STA 319+67 | -4.08% | -0.33%
PVI 6.93 STA 327+80 | -0.02%
PVI 6.65 STA 343+29 | -0.30%
PVI 6.26 STA 344+62 | 0.02%

WESTBOUND PROFILE

SPEED

WESTBOUND HORIZONTAL

R=1907′ L=640′ Ea=3 1/2″
R=1883′ L=147′ Ea=3″
LS=153′

MATCH LINE STA. 317+00

STA WB321+68
℄ STA WB321+95
STA WB321+09
EGR EGR
BEACHMONT TRUCK PAD
REVERE BEACH PARKWAY OVERHEAD BRIDGE
EGR EGR EGR
EGR EGR EGR
STA EB321+39
℄ STA EB322+39
STA EB321+94
STA EB321+50
ROW

ROW
STA WB342+67
WOOD TIES — CONCRETE TIES
℄ STA WB336+48
WEST STREET OVERHEAD
PEDESTRIAN BRIDGE
℄ EB336+88
WOOD TIES — CONCRETE TIES

MATCH LINE STA. 347+00

FEATURES

EASTBOUND HORIZONTAL

R=1910′ L=405′ Ea=2 3/4″
R=1979′ L=182′ Ea=2 3/4″
R=2043′ L=86′ Ea=2 3/4″
R=1903′ L=151′ Ea=2 3/4″
LS=103′

SPEED

EASTBOUND PROFILE

50 0 -50 -100

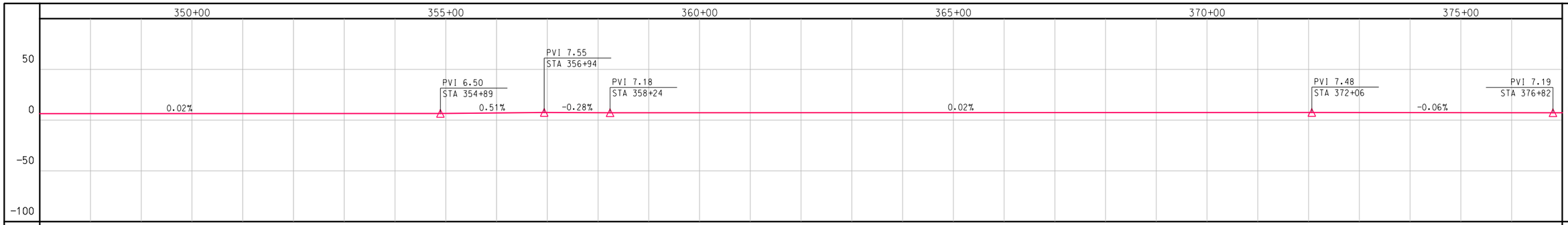
PVI 9.94 STA 319+93 | -4.27% | -0.32%
PVI 7.51 STA 327+55 | -0.25%
PVI 6.97 STA 329+66 | -0.02%
PVI 6.89 STA 334+80 | -0.03%
PVI 6.69 STA 342+89 | -0.15%
PVI 6.26 STA 345+75 | 0.01%

320+00 325+00 330+00 335+00 340+00 345+00

SHEET 10
6/24/2016

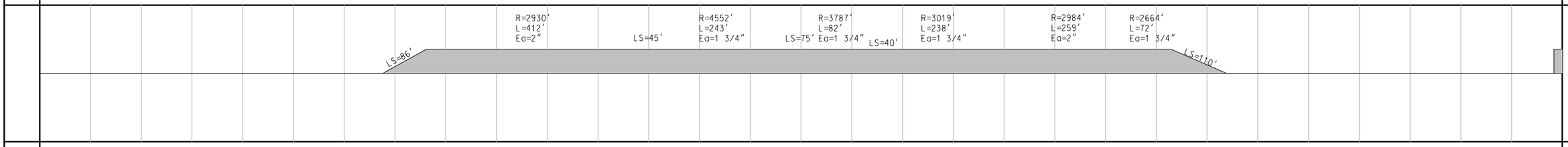
MBTA – BLUE LINE TRACK CHART
BOWDOIN TO WONDERLAND
STA.317+00 TO STA. 347+00

HNTB



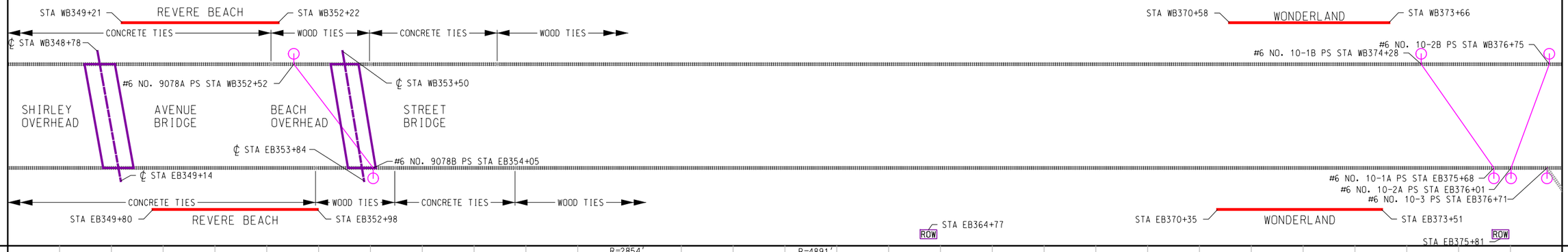
WESTBOUND PROFILE

SPEED



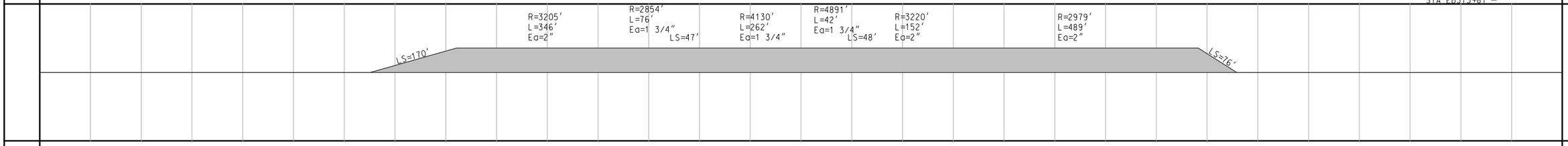
WESTBOUND HORIZONTAL

MATCH LINE STA. 347+00



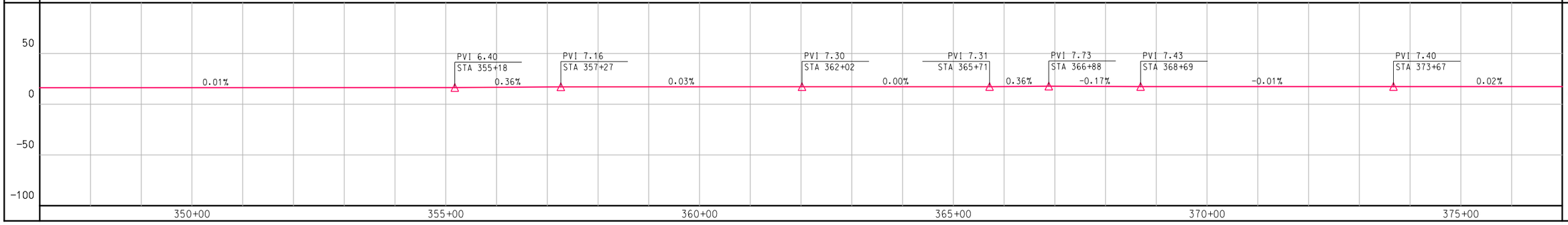
MATCH LINE STA. 377+00

FEATURES



EASTBOUND HORIZONTAL

SPEED



EASTBOUND PROFILE

MBTA – BLUE LINE TRACK CHART
BOWDOIN TO WONDERLAND
STA.347+00 TO STA. 377+00

HNTB

SHEET 11
6/24/2016

380+00 385+00 390+00

50 0 -50 -100

PVI 7.52
STA 377+77
0.35%
0.01%
PVI 7.61
STA 385+52

WESTBOUND PROFILE

SPEED

R=9073'
L=163'
Ea=1/4"

R=3742'
L=77'
Ea=1/4"

R=5905'
L=100'
Ea=1/4"

R=10116'
L=100'
Ea=1/4"

R=6949'
L=339'
Ea=1/4"

WESTBOUND HORIZONTAL

MATCH LINE STA. 377+00

#10 NO. 10-4B PS STA WB377+53

STA WB386+29

WONDERLAND YARD

#10 NO. 10-4A PS STA EB379+71

STA EB386+57

WONDERLAND EXTENSION

STA EB381+08

STA EB381+90

STA EB386+57

TRUCK PAD

STA EB386+78

ROW

FEATURES

R=9000'
L=100'
Ea=1/2"

R=2893'
L=67'
Ea=1/2"

R=7426'
L=530'
Ea=1/2"

EASTBOUND HORIZONTAL

SPEED

50 0 -50 -100

PVI 7.52
STA 381+67
0.02%
0.03%
PVI 7.64
STA 385+99

EASTBOUND PROFILE

380+00 385+00 390+00

MBTA - BLUE LINE TRACK CHART
BOWDOIN TO WONDERLAND
STA.377+00 TO STA. 390+00

HNTB

SHEET 12
6/24/2016